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CASE 1-32526A



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

JOHN SMITH

INTERNATIONAL APPLICATION NO: PCT/EP03/06193

FILED: 12 JUNE 2003

U.S. APPLICATION NO: 10/517,904 35 USC §371 DATE: Not Yet Known

FOR: PURIFIED PKB SER 473 KINASE AND USES THEREOF

Mail Stop: Amendment Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant believes this paper is being filed before the mailing date of a first Office Action on the merits, and so under 37 C.F.R. §1.97(b)(3) no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.

In accordance with 37 C.F.R. §1.56, applicant wishes to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The asterisked references were cited in the International Search Report. Since copies of said references were forwarded by the International Bureau, only copies of the non-asterisked references are enclosed.

Some of the asterisked references were cited in a search report in a corresponding British application. A copy of that search report is also enclosed herewith.

The Examiner is plested to consider the foregoing inform in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

T. Prince

Attorney for Applicant Reg. No. 43,019

Novartis Corporate Intellectual Property One Health Plaza, Building 104 East Hanover, NJ 07936-1080 (617) 871-3346

Date: May 7, 2005



EXAMINER

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	Alessi, et al., "Characterization of a 3-phosphoinositide-dependent Protein Kinase Which Phosphorylates and Activates Protein Kinase Ba", Current Biol., Vol. 7, p p. 261-9 (1997)								
	AS	Alessi, et al., "Mechanism of Activation of Protein Kinase B by Insulin and IGF-1", The Embo J., Vol. 15, pp. 6541-51 (1996)							
	АТ	Andjelkovic, et al., "Role of Translocation in the Activation and Function of Protein Kinase B", J. of Biol. Chem., Vol. 272, pp. 31515-24 (1997)							

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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Sheet 2 of

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	DA	Andjelkovic, et al., "Activation and Phosphorylation of a Pleckstrin Homology Domain Containing Protein Kinase (RAC-PK/PKB) Promoted by Serum and Protein Phosphatase Inhibitors", Proc. Natl. Acad. Sci., Vol. 93, pp. 5699-5704 (1996)
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	DC	Balendran, et al., "PDK1 Acquires PDK2 Activity in the Presence of a Synthetic Peptide Derived from the Carboxyl Terminus of PRK2", Curr. Biol., Vol. 9, pp. 393-404 (1999)
	DD	Bickel, et al., "Flotillin and Epidermal Surface Antigen Define a New Family of Caveloe-associated Integral Membrane Proteins", J. Biol. Chem., Vol. 272, pp. 13793-13802 (1997)
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	DF	Cantley, et al., "New Insights into Tumor Suppression: PTEN Suppresses Tumor Formation by Restraining the Phosphoinositude 3-Kinase/Akt Pathway", Proc. Natl. Acad. Sci., Vol. 96, pp. 4240 45 (1999)
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	DL	Graham, et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5", J. Gen. Virol., Vol. 36, pp. 59-74 (1977)
	DM	Hannigan, et al., "Regulation of Cell Adhesion and Anchorage-dependent Growth by a New B1-Integrin-Linked Protein Kinase", Nature, Vol. 379, pp. 91-6 (1996)
	DN	Hanahan, et al., "The Hallmarks of Cancer", Cell, Vol. 100, pp. 57-70 (2000)
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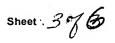
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	АТ	Huse, et al., "Generati Lambda", Science, Vo	on of a Lar il. 246, pp.	ge Combinatorial Library of the 1275-81 (1989)	e Immunogl	obulin Repert	oire in	Phage
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DB	Kandel, et al., "The Regulation and Activities of the Multifunctional Serine/Threonine Kinase Akt/PKB", Exp. Cell Res., Vol. 253, pp. 210-29 (1999)				
DC	Kohler, "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity", Nature, Vol. 256, pp. 495-98 (1975)				
DD	Kozbor, et al., "The Production of Monoclonal Antibodies from Human Lymphocytes", Imm. Today, Vol. 4, pp. 72-9 (1983)				
DE	Lynch, et al., "Integrin-Linked Kinase Regulates Phosphorylation of Serine 473 of Protein Kinase B by an Indiriect Mechanism", Oncogene, Vol. 18, pp. 8024-32 (1999)				
DF	Orlandi, et al., "Cloning Immunoglobulin Variable Domains for Expression by the Polymerase Chair Reaction", PNAS, Vol. 86, pp. 3833-37 (1989)				
DG	Park, et al., "Identification of Tyrosine Phosphorylation Sites on 3-Phosphoinositide-dependent Protein Kinase-1 and Their Role in Regulating Kinase Activity", J. Bio. Chem., Vol. 276, pp. 37459-71 (2001)				
DH ·	Simons, et al., "Lipid Rafts and Signal Transduction", Nature Rev., Vol. 1, pp. 31-40 (2000)				
DI	Stephens, et al., "Protein Kinase B Kinases that Mediate Phosphatidylinositol 3, 4, 5-trisphosphate-dependent Activation of Protein Kinase B", Science, Vol. 279, pp. 710-14 (1998)				
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U.S. DEPARTMENT OF COMMERCE (REV. 7-85) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOS CITATION

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	АТ	Yang, et al., "Molecular Mechanism for the Regulation of Protein Kinase B/Akt by Hydrophobic M Phosphorylation", Mol. Cell, Vol. 9, pp. 1227-40 (2002)						Motif
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	DA	Zervas, et al., "Drosophila Integrin-linked Kinase Is Required at Sites of Integrin Adhesion to Link the Cytoskeleton to the Plasma Membrane", J. of Cell Biol., Vol. 152, pp. 1007-18 (2001)				
	DB	Kroner, et al., "Dual Regulation of", J. Biol. Chem., Vol. 275, pp. 27790-27798 (2000) *				
	DC	Peterson, et al., "Kinase Phosphorylation", Curr. Biol., Vol. 9, pp. R521-24 (1999) *				
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	DE	Rane, et al., "P38 Kinase-dependent Mapkapk-2 Activation Functions as 3-phosphoinositide-dependent Kinase-2 for Akt in Human Neutrophils", J. of Biol. Chem., Vol. 276, pp. 3517-23 (2001)*				
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